

MICHIGAN WATER RESOURCES COMMISSION
AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

No Comment
Turn 12/3

In compliance with the provisions of the Federal Water Pollution Control Act, as amended, (33 U.S.C. 1251 et seq; the "Act"), and the Michigan Water Resources Commission Act, as amended, (Act 245, Public Acts of 1929, as amended, the "Michigan Act"),

PENNWALT CORPORATION
West Plant

is authorized to discharge from a facility located at
4655 Biddle Ave.
Wyandotte, Michigan

to receiving waters named Monguagon Creek (Huntington Drain) a tributary to the Detroit River.
in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts I and II hereof.

This permit shall become effective on the date of issuance.

This permit and the authorization to discharge shall expire at midnight, October 31, 19 79. In order to receive authorization to discharge beyond the date of expiration, the permittee shall submit such information and forms as are required by the Michigan Water Resources Commission no later than 180 days prior to the date of expiration.

This permit is based on the company's application numbered MI 070 0X5 2 710348, dated June 28, 1971 & revised September 30, 1971, and shall supersede any and all Orders Determination, Stipulation, or Final Orders of Determination previously adopted by the Michigan Water Resources Commission.

Issued this _____ day of _____, for the Michigan Water Resources Commission.

**PROPOSED
SUBJECT
TO
REVISION**

W. G. Turney
Assistant Executive Secretary

US EPA RECORDS CENTER REGION 5



402875

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. Initial Effluent Limitations

During the period beginning upon the issuance of this permit and lasting until April 30, 1977, the permittee is authorized to discharge from outfall(s) 006. Such discharge shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations				Monitoring Requirements	
	kg/day (lbs/day)		Other Limitations		Measurement Frequency	Sample Type
	Daily Average	Daily Maximum	Daily Average	Daily Maximum		
Flow M ³ /Day (MGD)	-	-	-	-	Daily	-
BOD ₅	-	-	-	-	Daily	24 hr. composite
COD	2634 (5806)	11183 (24,603)	-	-	Daily	24 hr. composite
Total Suspended Solids	-	948 (2015)	-	25 mg/l	Daily	24 hr. composite
Chlorides	-	4000 (8800)	-	-	Daily	24 hr. composite
Phenol	-	-	-	-	Daily	24 hr. composite
Ammonia (as N)	-	-	-	-	Daily	Grab
Total Chloride Residual	-	-	-	-	Daily	Grab
Oil and Grease	-	-	-	-	Daily	Grab
Total Zinc	-	-	-	-	Twice/monthly	24 hr. composite
Temperature	-	-	-	-	Twice/monthly	reading
Sulfide	-	-	-	-	Twice/monthly	24 hr. composite

a. The pH shall not be less than 6.5 nor greater than 9.5. The pH shall be monitored as follows: Daily, Grab.

b. The discharge shall not cause excessive foam in the receiving waters. The discharge shall be essentially free of floating and settleable solids.

c. Samples taken in compliance with the monitoring requirements above shall be taken prior to discharging to Monguagon Creek

2. Final Effluent Limitations - Process wastes

During the period beginning May 1, 1977 and lasting until the expiration of this permit, process wastes including direct contact and barometric condensing water prior to mixing with non contact cooling water and discharged through outfall 006 shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations				Monitoring Requirements	
	kg/day (lbs/day)		Other Limitations		Measurement Frequency	Sample Type
	Daily Average	Daily Maximum	Daily Average	Daily Maximum		
Flow M ³ /Day (MGD)	-	-	-	-	Daily	-
BOD ₅	173 (380)	259 (570)	30 mg/l	45 mg/l	Daily	24 hr. composite
COD	-	-	-	-	Daily	24 hr. composite
Total Suspended Solids	173 (380)	259 (570)	30 mg/l	45 mg/l	Daily	24 hr. composite
Ammonia (as N)	29 (63)	57 (126)	5 mg/l	10 mg/l	Daily	24 hr. composite
Phenol	-	1.7 (3.8)	-	0.3 mg/l	Daily	24 hr. composite
Sulfide	-	-	-	-	Twice Monthly	24 hr. composite

a. The pH shall not be less than 6.5 nor greater than 9.5. The pH shall be monitored as follows: continuous - report daily maximum and minimums

b. Samples taken in compliance with the monitoring requirements above shall be taken prior to mixing with non contact cooling water

3. Final Effluent Limitations

During the period beginning May 1, 1977 and lasting until the expiration date of the permit, the permittee is authorized to discharge treated process wastes and noncontact cooling water from outfall(s) 006. The total discharge shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations				Monitoring Requirements	
	kg/day (lbs/day)		Other Limitations		Measurement Frequency	Sample Type
	Daily Average	Daily Maximum	Daily Average	Daily Maximum		
Flow M ³ /Day (MGD)	-	-	-	-	Daily	-
BOD ₅	-	-	-	10 mg/l	Twice weekly	24 hr. composite
COD	-	-	-	-	Twice weekly	24 hr. composite
Total Suspended Solids	-	-	-	-	Twice weekly	24 hr. composite
Chlorides	-	4000(8800)	-	-	Daily	24 hr. composite
Phenol	-	-	-	-	Twice monthly	24 hr. composite
Ammonia (as N)	-	-	-	-	Twice monthly	Grab
Total Chloride Residual	-	-	-	0.5 mg/l	Daily	Grab
Oil and Grease	-	-	-	10 mg/l	Daily	Grab
Temperature	-	-	-	-	Daily	Reading
Total Zinc	-	-	-	1.0 mg/l	Twice monthly	24 hr. composite

The term noncontact cooling water shall mean water used for cooling which does not come into direct contact with any raw material, intermediate product, by product, waste product, or finished product.

a. The pH shall not be less than 6.5 nor greater than 9.5. The pH shall be monitored as follows: Daily; grab

b. The discharge shall not cause excessive foam in the receiving waters. The discharge shall be essentially free of floating and settleable solids.

c. The discharge shall not contain oil or other substances in amounts sufficient to create a visible film or sheen on the receiving waters.

d. Samples taken in compliance with the monitoring requirements above shall be taken prior to discharging to Monguagon Creek.

e. In the event the permittee shall require the use of Water Treatment additives, the permittee shall notify the Michigan Water Resources Commission in accordance with the requirements of Part II, Section A-1.

PART I

B. MONITORING AND REPORTING

1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge.

2. Reporting

The permittee shall submit monitoring reports containing results obtained during the previous month and shall be postmarked no later than the 10th day of the month following each completed report period. The first report shall be submitted within 90 days of the date of issuance of this permit.

3. Definitions

a. The daily average discharge is defined as the total discharge by weight, or concentration if specified, during a calendar month divided by the number of days in the month that the production or commercial facility was operating.

b. The daily maximum discharge means the total discharge by weight, or concentration if specified, during any calendar day.

c. The Regional Administrator is defined as the Region V Administrator, U.S. EPA, located at One North Wacker Drive, Chicago, Illinois, 60606.

d. The Michigan Water Resources Commission is located in the Stevens T. Mason Building, Lansing, Michigan.

4. Test Procedures

Test procedures for the analysis of pollutants shall conform to regulations published pursuant to Section 304(g) of the Act, under which such procedures may be required.

5. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- The exact place, date, and time of sampling;
- The dates the analyses were performed;
- The person(s) who performed the analyses;
- The analytical techniques or methods used; and
- The results of all required analyses.

6. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Monthly Operating Report. Such increased frequency shall also be indicated.

7. Records Retention

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed and calibration and maintenance of instrumentation and recordings from continuous monitoring instrumentation shall be retained for a minimum of three (3) years, or longer if requested by the Regional Administrator or the Michigan Water Resources Commission.

C. SCHEDULE OF COMPLIANCE

1. The permittee shall achieve compliance with the effluent limitations specified for outfall(s) 006 in accordance with the following schedule:

- a. Submit progress report to the Chief Engineer of the Michigan Water Resources Commission on or before N/A.
- b. Submit a preliminary engineering report and basis of design for said facilities to the Chief Engineer of the Michigan Water Resources Commission and obtain his approval thereof on or before March 31, 1975.
- c. Submit progress report to the Chief Engineer of the Michigan Water Resources Commission on or before N/A.
- d. Submit final plans and specifications for said facilities to the Chief Engineer of the Michigan Water Resources Commission and obtain his approval thereof on or before December 31, 1975.
- e. Commence construction of said facilities on or before February 28, 1976.
- f. Submit progress report to the Chief Engineer of the Michigan Water Resources Commission on or before June 30, 1976.
- g. Complete construction of said facilities on or before March 31, 1977.
- h. Attain operational level necessary to meet the limitations specified herein on or before May 1, 1977.

2. The permittee shall comply with the requirements of Section 9, Part II in accordance with the following:

- a. Submit plans for approval to the Chief Engineer of the Michigan Water Resources Commission necessary to comply with the primary power provision of Section 9 in Part II on or before March 31, 1975.
- b. The permittee shall comply with the requirements of items 9a or 9b contained in Part II on or before December 31, 1975. Notwithstanding the preceding sentence the permittee shall at all times halt, reduce, or otherwise control production in order to protect the waters of the State of Michigan upon the reduction or loss of the primary source of power.

3. No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.